

612-200



### **REFERENCES**

- FM 4-01.011 'Unit Movement Operations'
- Chapter 3 and Appendix C
- Defines convoys, convoy organization, convoy identification
- FM 55-30 "Army Motor Transport Units and Operations":
- Chapter 5 and Appendices E and M
- Convoy control, organization and planning, American Trucking Association Summary of Size and Weight Limits, mobilization movement control
- -FORSCOM/ARNG Reg 55-1
- Chapter 7
- Convoyeoperations and movement control in CONUS



### **SCOPE OF LESSON**

 Convoy Request and Approval Process

Convoy Procedures







## FACILITATING AGENCIES

- State Department of Transportation:
  - Set limits and restrictions for each state concerning vehicle weight, length, width and height to ensure the safety of other highway users and to preclude damage to highways (also bridges, tunnels etc)
  - DOD policy states that vehicle movement that exceeds legal limitations or regulations, or that subjects highway users to unusual hazards (eg, ammunition transportation), WILL NOT be made without the permission from regulating state or local or authorities
  - If necessary use other modes (eg, rail) or commercial transporters for over-dimensional/over-weight loads)

# ONUS HWY OPERATION SEPTEMBER OF LOGISTICS

## **FACILITATING AGENCIES (Cont)**

- Civilian and Military Police:
  - Coordinated by the UMC
  - Assist at:
    - major intersections
    - entrances/exits to interstates, highways etc
    - densely populated and industrial areas
    - entrances/exits to rest areas (halts)

Ref: FM 4-01.011, p.C-9



## **FACILITATING AGENCIES (Cont)**

- Military Surface Deployment & Distribution Command (SDDC)
  - Commander SDDC is the designated DOD executive agent in public highway matters
  - Coordinates highway policy & related matters between military & civilian authorities
  - Takes action to resolve denial of permits

Ref: FM 4-01.011, p.C-9



#### **STATE MOVEMENT CONTROL CENTER (SMCC)**

- Located within the State Area Command (STARC)
  in each state and headed up by the <u>Defense</u>
  <u>Movement Coordinator (DMC)</u>
- Processes convoy requests
- Deconflicts all AC/ARNG/AR convoys using MOBCON (Mobilization Movement Control computer system used to centrally control convoy movements)
- Provides interface between military and civilian (DOT) agencies that control the use of highways, Ref:中内内 1536, 知识自由的扩充时间 convoy。movements



#### **STATE MOVEMENT CONTROL CENTER (SMCC) (Cont)**

- Coordinates all AC/ARNG/AR convoys that originate within their states
  - Receives DD Form 1265 (Request for Convoy Clearance) and sends back a Convoy Movement Order (CMO)
  - Receives DD Form 1266 (Special Handling Permit), sends to appropriate civil agencies and then sends back the appropriate Special Hauling Permits (permit allowing the movement of over-dimensional/over-weight vehicles on

Ref: FM usbliso, Apple and FM 4-01.011, p.3-2



#### **UNIT MOVEMENT COORDINATOR (UMC)**

 Receives request for convoy clearances and special hauling permits from the unit and staffs them to the SMCC

Coordinates installation support for convoys

• May approve local convoy requests for prearranged short routes commonly traveled in the local area (only with the concurrence of the Ref: F时内内30, Appendix M-2 and FM 4-01.011, p.3-2





## **REQUEST PROCESS**

- Active Component:
  - UMO submits DD Form 1265 (Request for Convoy Clearance) and DD Form 1266 (Request for Special Handling Permit) to the <u>Installation Transportation</u> <u>Office</u> (ITO)
  - Within ITO request staffed by Unit Movement Coordinator (UMC). After request validated passed to State Movement Control Center (SMCC)
  - Requests must be submitted by the UMO / UMC to the ITO / SMCC <u>10</u> days prior to convoy movement during peacetime)

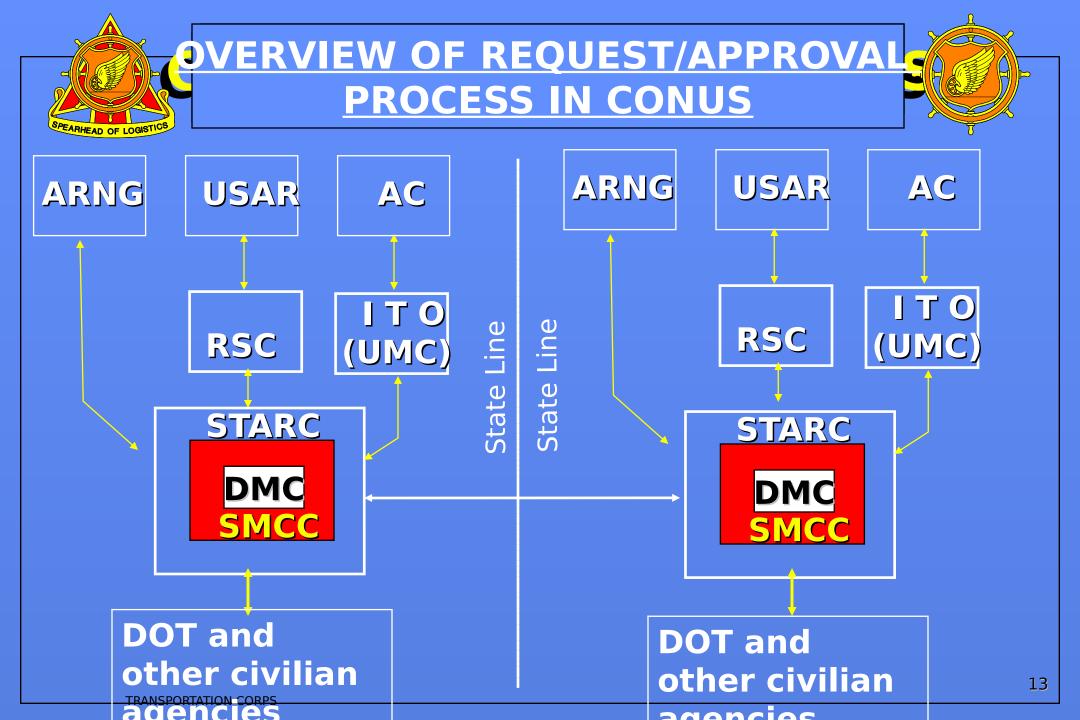
Ref: FORSCOM/ARNG 55-1, p.48



# **REQUEST PROCESS (Cont)**

- United States Army Reserve:
  - Units staff requests (DD Forms 1255 and 1266) through their <u>Regional Support Command (RSC)</u>
  - After request validated passed to the appropriate SMCC
  - Requests are to arrive at the SMCC <u>45</u> days prior to convoy movement during peacetime
- Army National Guard:
  - Unit staff requests (DD Forms 1255 and 1266) directly to the <u>SMCC</u>
  - Requests are to arrive at the SMCC <u>45</u> days prior to convoy movement during peacetime)

Ref: FORSCOM/ARNG 55-1, p.48





#### **CONVOY MOVEMENT ORDER (CMO)**

- Returned to unit from the SMCC through the UMC
- Consists of:
  - Convoy details (Paragraph 1)
  - Specific route and time schedule (Paragraph 2)
  - En route reporting requirements (if any) (Paragraph 3)
  - Remarks (Paragraph 4)
- Routing and times requested on DD Form 1265 may differ to that detailed on the CMO - so check to ensure the CMO meets mission requirements
- CMO is valid only for the route and time designated (deviations must be authorized by DMC). May be a ten minute gap between convoys so meeting the CMO timings Ref: FM 55-30, Appendix



#### **CONVOY MOVEMENT ORDER (CMO) (Cont)**

- Contains the Convoy Clearance Number (eight characters): identifies the convoy for its entire movement (even if it crosses state lines)
  - Two letter abbreviation of the issuing state (eg VA for Virginia)
  - Five Digit Control Number. First digit represents the year, next four digits represents the numerical sequence of CMOs processed by the SMCC for that year
  - A one letter type of movement designator
    - \* 'S' = outsize/overweight vehicles
    - \* 'E' = explosives

Ref: FM\*55-30, Appendix M-3

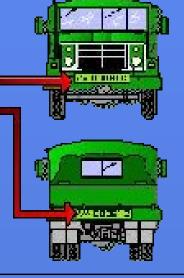
## **CONVOY CLEARANCE NUMBERS**

**VA** 10167

State Designator Control Number Movement Designator (Virginia) (167th request of 2001 Regular Convoy)

VA 10167 C





#### **CNNs displayed as follows:**

- Both sides of each vehicle
- Front and back of each vehicle (if possible)
- Top of the hood of lead and last vehicles of each march elementRef: FM 4-01.011, p.G-1





### **MANUALLY PREPARED**

- For AC units, the ITO MAN hay provide, with prior coordination with the DMC, a local CCN comprised of 10 digits & 4 sections:
  - A 2-letter location (post or state) identifier (where convoy originates)
  - A 4-digit Julian date
- FE 0059 039 C
- A 3-digit sequence number
- A one letter type movement designator

Ref: FM 4-01.011, p.C-11



# MANUALLY PREPARED CCNS (CONT)

• Example:

The 39th local convoy originating at Ft Eustis in Virginia on 28 February 2000 will be assigned

convoy number

FE 0059 039 C



### **SUMMARY**

- Facilitating Agencies
- Request Process for DD Forms 1265 and 1266
- Convoy Movement Orders (CMO)
- Convoy Clearance Numbers (CCN)



# CONVOY PROCEDURES



# **CONVOY PLANNING**

 Convoy planning of a unit's personnel, supplies, and equipment rests with you



 There are many considerations that impact convoy planning and preparation

22



#### **MOTOR CONVOY DEFINITION**

- Group of military vehicles organized for the purpose of control and orderly movement. Defined as:
  - Any group of six (6) or more vehicles proceeding together under the control of a single commander
  - 10 or more vehicles per hour dispatched to the same destination using the same route
  - Any one vehicle that requires a Special Hauling Permit (DD Form 1266)

Ref: FM 4-01.011, p.C-1



### **CONVOY ORGANIZATIONAL ELEMENTS**

- A convoy commander can better control a convoy if it is broken down into smaller, more manageable groups. Convoys consist elements:
  - March Column /Convoy Command
  - Serial/Serial Commander
  - March Unit/March Unit Commander
- If possible, convoys are organized along Regardzationallipes-6battalion, company, platoon



# CONVOY ORGANIZATIONAL ELEMENTS (CONT)

(usually ≤ 20 vehs)

MARCH UNIT

MARCH UN

MARCH COLUMN

Ref: FM 4-01.0.11, pp.C-6/7

SERIAL

--- SERIAL



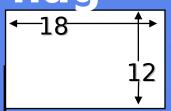


#### **CONVOY IDENTIFIERS**



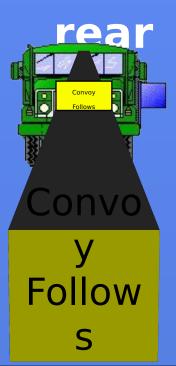


Commander's flag

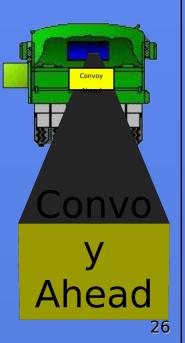


Size of convoy flags

 Flags must be displayed on left side of vehicles front or



Lead Rear blue gree flag n flag



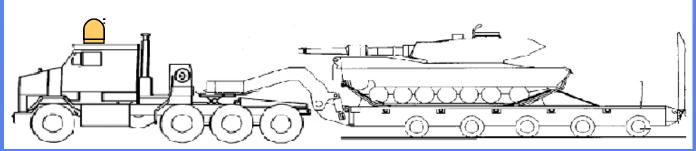




## **CONVOY IDENTIFIERS (CONT)**

 Rotating amber warning light placed on oversize or overweight vehicles and the first and last vehicles (usually the escort vehicles) in their march element







Ref: FM 4-01.0.11, pp.C-12



## THREE FUNCTIONAL ELEMENTS OF A

Three functional elements:

(Pacesetter)

Head

**Main Body** 

**Trail** 





















#### **HEAD**

- The head is the first vehicle of each column, serial or march unit - normally slowest/heaviest vehicle (excluding oversize/overweight vehicles)
- The head carries the 'Pacesetter', who is responsible for:
  - Maintaining the rate of march set by the convoy commander (eg 45 mph)
  - Meeting set times at SP, RP and all CPs
  - Keeping the convoy on the proper route
- Informing the convoy commander of any obstacles or hazards that may cause a deviation from the set route (such as road construction etc)
   Ref: FM 4-01.0.11, pp.C-8



#### MAIN BODY

- Main Body:
  - Largest part of convoy



Follows pacesetter

Typically divided into serials & march units (each with own pacesetter) for easier control &





TRAIL VEHICLES CONSIST OF THE FOLLOWING:



FUEL VEHICLE

**AMBULANC** 





**BOBTAI** 

WRECKE



Ref: FM 4-01.011, p.C-7

(orange flag)



#### **TRAIL OFFICER:**

- At rear of march element
- Responsible for:
  - Checks and observes vehicles at SP
  - Keeps convoy commander informed of status of vehicles that fall out of the convoy (stragglers)
  - Oversees all maintenance, recovery, accident investigation, medical aid, and disposition of disabled equipment

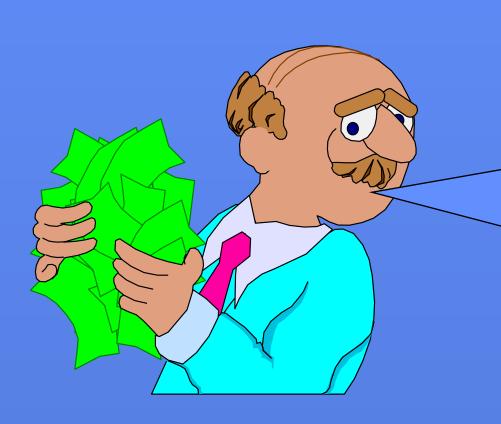


Ref: FM 4-01.0.11, pp.C<sub>33</sub>8/

Picks up quides (used in



## **CONVOY DOCUMENTATION**



Here is the convoy documentation you requested, boss





#### DD Form 1265 - Request for Convoy Clearance

|  |   |  | 1. CONVO   | y number   | 2. UIC                     | 3. DATE(YYYYMMDD)              |  |  |
|--|---|--|--|--|----------------------------|--------------------------------|--|--|
| REQUEST                                  | FOR CONVOY CLEA   | ARANCE   |  |  |                            |                                |  |  |
|  |   | -  | ECTION I - GENER   | PAI  |                            |                                |  |  |
| 4. ORGANIZATION                          |   | 5. STATION   | ECTION 1 - GENER   | WL   | 6. CONVOY COMM             | IANDER                         |  |  |
|  |   |  |  |  | 6. CONVOY COMMANDER        |                                |  |  |
|  |   |  |  |  |                            |                                |  |  |
|  |   |  |  |  |                            |                                |  |  |
| 7. PERSONNEL STREE                       | NCTU  | 8. POINT OF  | OBIGIN   |  | 9. DESTINATION             |                                |  |  |
| a. OFFICER                               | b. ENLISTED   | -  | ONOM   |  | J. DESTRUCTION             |                                |  |  |
|  |   |  |  |  |                            |                                |  |  |
| 10. DATE AND TIME                        | a. DEPARTURE  | b. ARRIVAL   | 11.  | RATE OF MARC   | н                          |                                |  |  |
| 10. DATE AND TIME                        |   |  |  | anocarios i  |                            |                                |  |  |
| 12 KILIMPED OF EAC                       | H TYPE OF VEHICLE AN                                      |  | II - CONVOY COI  |  |                            |                                |  |  |
|  |   |  |  |  |                            |                                |  |  |
| 13. TOTAL NUMBER<br>OF VEHICLES          | 14. NUMBER OF<br>OVERSIZE/                                | 15a. NO. OF SEF  | RIALS b. TIM   | IE INTERVAL  | 16a. NO. OF MARCH<br>UNITS | b. TIME INTERVAL               |  |  |
| 0. 12.0220                               | OVERWEIGHT<br>VEHICLES                                    |  |  |  | 55                         |                                |  |  |
|  |   |  |  |  |                            |                                |  |  |
|  |   | SECT   | TION III - ROUTE   | DATA   | l                          | •                              |  |  |
| 17. PROPOSED ROUTI                       | IING (Indicate US Routes,                                 | SECT<br>;, State Routes, e   | non III - ROUTE  | DATA   |                            |                                |  |  |
|  | NG (Indicate US Routes,                                   | , State Routes, ε  | etc.)  |  | nels, metropolita          | N AREAS AND                    |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL      | ' STATE LINES, MAJOR<br>T SITES (Continue on a            | , State Routes, e<br>ROAD J UNCTIO<br>separate sheet i   | ons, Maj or Brit<br>f additional space   | DGES AND TUN<br>is required)   |                            |                                |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL      | STATE LINES, MAJOR  | , State Routes, e<br>ROAD J UNCTIO<br>separate sheet i   | ons, Maj or Brit<br>f additional space   | DGES AND TUN   | NELS, METROPOLITAI         | N AREAS AND  e. DATE(YYYYMMDD) |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL      | ' STATE LINES, MAJOR<br>T SITES (Continue on a            | , State Routes, e<br>ROAD J UNCTIO<br>separate sheet i   | ons, Maj or Brit<br>f additional space   | DGES AND TUN<br>is required)   |                            |                                |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL      | ' STATE LINES, MAJOR<br>T SITES (Continue on a            | ROAD J UNCTIC<br>separate sheet i  | ONS, MAJ OR BRI<br>f additional space<br>ETA c. DA                                   | DGES AND TUN<br>is required)<br>TE(YYYY MMDD)                          |                            |                                |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL<br>a | STATE LINES, MAJ OR<br>T SITES (Continue on a<br>LOCATION | ROAD J UNCTIONS SEPARATE Sheet in the Section Security Section Section Security Section Sectio | NNS, MAJ OR BRIE f additional space ETA c. DA  | DGES AND TUN is required) TE(YYYYMMDD)                                 | d. ETD                     | e. DATE (YYYY MMDD)            |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL<br>a | ' STATE LINES, MAJOR<br>T SITES (Continue on a            | ROAD J UNCTIONS SEPARATE Sheet in the Section Security Section Section Security Section Sectio | NNS, MAJ OR BRIE f additional space ETA c. DA  | DGES AND TUN is required) TE(YYYYMMDD)                                 | d. ETD                     | e. DATE (YYYY MMDD)            |  |  |
| 18. ETA AND ETD AT<br>OVERNIGHT HAL<br>a | STATE LINES, MAJ OR<br>T SITES (Continue on a<br>LOCATION | ROAD J UNCTIONS SEPARATE Sheet in the Section Security Section Section Security Section Sectio | NNS, MAJ OR BRIE f additional space ETA c. DA  | DGES AND TUN is required) TE(YYYYMMDD)                                 | d. ETD                     | e. DATE (YYYY MMDD)            |  |  |
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| a. CLASS                        |                              |  | d. VEHICLES TO BE USED            |                            |                 |                |                  |
|---------------------------------|------------------------------|--|-----------------------------------|----------------------------|-----------------|----------------|------------------|
|                                 | b. AMOUNT                    | c. DESCI   | RIPTION                           |                            | (1) NO.         | (2) TY         | /PE              |
|                                 |                              |  |                                   |                            |                 |                |                  |
|                                 |                              |  |                                   |                            |                 |                |                  |
|                                 |                              |  |                                   |                            |                 |                |                  |
|                                 |                              |  |                                   |                            |                 |                |                  |
|                                 | _                            |  |                                   |                            |                 |                |                  |
|                                 |                              | CANNOT BE TRANSPORTED CON<br>vith all applicable regulations or dire |                                   | Movements inv              | olving explosiv | es and/or othe | er dangerous     |
|                                 |                              | ED AT OVERNIGHT HALT SITES?  | YES                               | NO                         |                 |                |                  |
|                                 |                              | separate sheet if additional space is req                            |                                   | I                          |                 |                |                  |
| a. DATE(YYYYMI                  | MUU)                         | b. INSTALLATION  | c. GAS (gals)                     | d. OIL (gals)              | e. RATIONS      | f. BILLETS     | g. OTHER         |
|                                 |                              |  |                                   |                            |                 |                |                  |
|                                 |                              | Ba   | a C                               | k                          |                 |                |                  |
| 24. REQUESTIN                   | g agency                     | Ва   |                                   | ING AGENCY                 |                 |                |                  |
| 24. REQUESTIN                   |                              | Ba   |                                   | ING AGENCY                 |                 |                |                  |
| 26. REQUESTED                   |                              | Ba   | 25. APPROV                        | ING AGENCY                 | nitia0          |                |                  |
| 26. REQUESTED                   | ) BY                         | Ba   | 25. APPROV                        | ING AGENCY                 | nkia0           |                |                  |
| 26. REQUESTED  a. NAME (Last, F | BY<br>First, Middle Initial) | B & CATE (YYYYMMDD)  | 25. APPROV 27. APPROV a. NAME (La | ED BY st, First, Middle II | okia0           | e. DATi        | Ε (ΥΥΥΥ ΜΜ. D.). |





#### DD Form 1266 - Request for Special Hauling

| REQUEST FOR SPECIAL I          | HAULING PER         |                          | 1. CONVOY NU                 | MBER 2. U     | ic            | 3. DAT       | E(YYYYMM! |
|--------------------------------|---------------------|--------------------------|------------------------------|---------------|---------------|--------------|-----------|
| . ORGANIZATION                 | 5. STAT             |                          | I - GENERAL                  |               |               |              |           |
| i. Urganizajiun                | 5. SIA              | IION                     |                              |               | ATE OF MO     | b. COMP      |           |
| 7. POINT OF ORIGIN             |                     |                          | 8. DESTINATIO                | N I           |               |              |           |
| 9. ARRIVAL AT STATE LINES      |                     |                          | 10. ROUTING (S               | tipulate US F | Routes, State | Routes, etc. | )         |
| a. DATE (YYYYMMDD) b. TIME     | c. STATE            | LINE                     |                              |               |               |              |           |
| 11. ESCORT REQUIREMENTS        |                     |                          | -                            |               |               |              |           |
|                                | SECT                | ION II - VEHIO           | CLE AND LOAD DA              | TA            |               |              |           |
| DESCRIPTION a.                 | (2-ton, etc.)<br>b. | NO. OF<br>VEHICLES<br>c. | REGISTRATION<br>NUMBER<br>d. | HEIGHT<br>e.  | WIDTH<br>f.   | LENGTH<br>g. | WEIGHT    |
| 12. VEHCLE                     |                     |                          |                              |               |               |              |           |
| (1) TRUCK                      |                     |                          |                              |               |               |              | (Empty)   |
| (2) TRUCK-TRACTOR              |                     |                          |                              |               |               |              | (Empty)   |
| (3) TRAILER                    |                     |                          |                              |               |               |              | (Empty)   |
| (4) SEMI-TRAILER               |                     |                          |                              |               |               |              |           |
| (5) OTHER<br>(Specify)         |                     |                          |                              |               |               |              | (Empty)   |
| 13. LOAD                       |                     |                          |                              |               |               |              |           |
| 14. OVERALL (Vehicle and load) |                     |                          |                              |               |               |              |           |
|                                | F                   | rc                       | nt                           | •             |               |              |           |
|                                |                     |                          |                              |               |               |              |           |
| 16. LOAD OVERHANG              |                     |                          | c. LEFT SIDE                 |               |               |              |           |

| 17. NUMBER<br>OF<br>AXLES  | 1 A  | 2 <sub>B</sub>   | (I) <sup>c</sup>   | $\bigcirc_{D}$   | () <sub>E</sub>  | $\bigcirc_{F}$   | $\bigcirc^{c}$  | $\bigcirc$ <sup>H</sup>   |  |
|--|--|--|--|--|--|--|---|---|--|
|  | AXLE 1<br>a.   | AXLE 2<br>b.   | AXLE 3<br>c.   | AXLE 4<br>d.   | AXLE 5<br>e.   | AXLE 6<br>f.   | AXLE 7<br>g.  | AXLE 8<br>h.  | TOTAL<br>i.  |
| 18. NUMBER<br>OF<br>TIRES  |  |  |  |  |  |  |   |   |  |
| 19. TIRE<br>WIDTH<br>(Inches)  |  |  |  |  |  |  |   |   |  |
| 20. TIRE<br>SIZES  |  |  |  |  |  |  |   |   |  |
| 21. AXLE<br>LOAD<br>(Empty)  |  |  |  |  |  |  |   |   |  |
| 22. AXLE<br>LOAD<br>(Loaded)   |  |  |  |  |  |  |   |   |  |
| 23. AXLE<br>SPACING<br>(See Item 17 for<br>identification)   | A SPACING  | B SPACING  | C SPACING  | D SPACING  | E SPACING  | F SPACING  | G SPACING   | H SPACING   |  |
| ESSENTIA   | L TO NATIONA   |  |  | THE INTEREST   | OF NATIONAL E  | DEFENSE  |   |   |  |
| ESSENTIA<br>26. REQUESTII  | IL TO NATIONAL<br>NG AGENCY  |  |  | THE INTEREST   | OF NATIONAL E<br>27. APPROVIN  | DEFENSE<br>IG AGENCY   |   |   |  |
| essentia<br>26. Requestii<br>28. Requeste  | L TO NATIONAL NG AGENCY D BY   | L DEFENSE  |  | THE INTEREST   | OF NATIONAL DE 27. APPROVIN 29. APPROVEI   | DEFENSE<br>IG AGENCY   |   |   |  |
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DD FORM 1266 (BACK), SEP 1998



DD Form 626: Motor Vehicle Inspection (Transporting

Hazardous Ma

 Vehicles must be inspected, deficiencies corrected & DD **Form 626** completed before hazardous material is loaded

| This form applies to all veh   |  | الماماد  | (F                                   | kead I                  | nstructions before  | FRNMP                           | VIT RILL               | TOTM.)       | ING/                | RΔNC      | PORT 4                | TION CONTROL            | MIIM     |  |
|--|--|--|--------------------------------------|-------------------------|---|---------------------------------|------------------------|--------------|---------------------|-----------|-----------------------|-------------------------|----------|--|
| or placarded in accordance   | with 1   | vhich<br>Fitle 4                                     | must<br>9 CF                         | be n<br>R.              |   |                                 | VI DILL                | JF LAL       | /IIVG/ I            | IVAINS    |                       |                         | NOME     |  |
| SECTION 1 - DOCUMENTATIO   | NC   |  |                                      | ORIGIN<br>a.            |   |                                 |                        |              | DESTINATION<br>b.   |           |                       |                         |          |  |
| 2. CARRIER/GOVERNMENT O  | RGANI  | ZATIC  | N                                    |                         |   |                                 |                        |              |                     |           |                       |                         |          |  |
| 3. DATE/TIME OF INSPECTIO  | N  |  |                                      |                         |   |                                 |                        |              |                     |           |                       |                         |          |  |
| 4. LOCATION OF INSPECTION  | N  |  |                                      |                         |   |                                 |                        |              |                     |           |                       |                         |          |  |
| 5. OPERATOR(S) NAME(S)   |  |  |                                      |                         |   |                                 |                        |              |                     |           |                       |                         |          |  |
| 6. OPERATOR(S) LICENSE NU  | IMRER/   | (5)  | _                                    | _                       |   |                                 |                        |              |                     | _         |                       |                         | _        |  |
| 7. MEDICAL EXAMINER'S CE   |  |  |                                      | _                       |   |                                 |                        |              |                     |           |                       |                         |          |  |
| 8. (X if satisfactory at origin)   | KIIFIC   | AIE-   |                                      |                         |   |                                 |                        |              |                     |           | 9. C                  | /SA DECAL DISP          | AYH      |  |
| a. MILITARY HAZMAT ENDORSE   | MENT   | _  | d. FF                                | G OR                    | FOUIVALENT COM  | MERCIAL                         | . 🗖                    | res          | NO                  |           | C                     | OMMERCIAL               | YES      |  |
| b. VALID LEASE*  |  | $\vdash$   | -                                    |                         | S VEHICLE INSPECT   |                                 |                        | E3           | NO                  |           |                       | UIPMENT*<br>JCK/TRACTOR | IES      |  |
| c. ROUTE PLAN  | _  |  | _                                    |                         | 49 CFR PART 397   | TOTA INC.                       | J                      |              |                     |           | b. TRA                |                         | $\vdash$ |  |
| SECTION II - MECHANICAL IN   | KDECT  | ION  |                                      |                         |   |                                 |                        |              |                     | _         |                       |                         | _        |  |
| All items shall be checked  10. TYPE OF VEHICLE(S)   | on emp   | oty eq   | upmei                                | nt pric                 | r to loading. Iter  |                                 | BHICLE N               |              |                     | еске      | on all                | incoming loaded         | equipi   |  |
| 12. PART INSPECTED   | OR   | UGIN<br>(1)  | DESTIN                               | (ATION                  |   |                                 | 0                      | RIGIN<br>(1) | DESTIP              | 2)        |                       | COMMENTS                |          |  |
| (X as applicable)  |  | UNSAT  | SAT                                  |                         |   |                                 |                        | UNSAT        |                     | UNSAT     |                       | (3)                     |          |  |
| a. SPARE ELECTRICAL FUSES  |  |  |                                      |                         | k. EXHAUST SYS  | TEM                             |                        |              |                     |           |                       |                         |          |  |
| b. HORN OPERATIVE  | 4  |  |                                      |                         | I. BRAKE SYSTE  | VI*                             |                        | _            |                     |           |                       |                         |          |  |
| c. STEERING SYSTEM   | 4  | _  |                                      |                         | m. SUSPENSION   |                                 |                        | _            |                     |           |                       |                         |          |  |
| d. WINDSHIELD/WIPERS   | 4  |  |                                      |                         | n. COUPLING DE  |                                 |                        | -            |                     |           |                       |                         |          |  |
| e. MIRRORS   | +  | -  |                                      |                         | o. CARGO SPACE  |                                 |                        | -            |                     |           |                       |                         |          |  |
| f. WARNING EQUIPMENT   | +  | -  |                                      |                         | p. LANDING GEA  |                                 | _                      | -            |                     |           |                       |                         |          |  |
| g. FIRE EXTINGUISHER*  | +  | -  |                                      |                         | q. TIRES, WHEELS  |                                 | _                      | -            |                     |           |                       |                         |          |  |
| h. ELECTRICAL WIRING   | +  |  |                                      |                         | r. TAILGATE/DOC   | DRS*                            | _                      | -            |                     |           |                       |                         |          |  |
| i. FUEL SYSTEM*  | -  | -  |                                      |                         | s. TARPAULIN*<br>t. OTHER (Specify                              |                                 | _                      | +            |                     |           |                       |                         |          |  |
| 13. INSPECTION RESULTS (X  | one)   | ACCE   | TED                                  |                         |   | REI ECT                         | ED                     |              |                     |           |                       |                         |          |  |
| (If rejected give reason un  |  |  |                                      | ui pmei                 |   |                                 |                        | are co       | rected              | l prior   | to load               | ina.)                   |          |  |
| 14. SATELLITE MOTOR SURV   |  |  |                                      |                         |   |                                 |                        | CTED         |                     |           |                       |                         |          |  |
| 15. REMARKS  |  |  |                                      |                         |   |                                 |                        |              |                     |           |                       |                         |          |  |
|  |  |  |                                      |                         |   |                                 |                        |              |                     | - /-      |                       |                         |          |  |
| 16. INSPECTOR SIGNATURE (  |  |  |                                      |                         |   | 17. II                          | ISPECTO                | R SIGI       | NATUE               | RE (De    | stinatio              | nn)                     |          |  |
| SECTION III - POST LOADING   | INSPEC   | CTION  |                                      | nmont                   | /Military vahiclas  |                                 |                        |              |                     |           |                       | on)                     |          |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of  | INSPEC   | CTION  | Goven                                |                         |   | All ite                         | ms will                | OR           | KATUF               | DESTIP    | IATION                | COMMEN                  | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment.  | INSPEC<br>mmercia<br>loaded  | CTION<br>al and<br>l equip                           | Goven<br>ment                        | and sh                  | nall be checked or  | All ite                         | ms will<br>oming       | OR (         | IGIN                | DESTIN    | IATION                |                         | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment.  18. LOADED IAW APPLICABLE   | INSPEC<br>mmercia<br>loaded  | CTION<br>I and<br>I equip                            | Govern<br>ment                       | and sh                  | TIBILITY TABLE  | All ite                         | ms will<br>oming       | OR (         | IGIN<br>1)          | DESTIN    | IATION                | COMMEN                  | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment.  18. LOADED IAW APPLICABLE 19. LOAD PROPERLY SECURE  | INSPEC<br>mmercia<br>loaded<br>E SEGR  | CTION<br>of and<br>of equip<br>REGAT<br>REVE         | Government :                         | OMPA                    | nall be checked or<br>TIBILITY TABLE<br>ENT                     | All iten<br>all inco            | ms will<br>oming<br>FR | OR (         | IGIN<br>1)          | DESTIN    | IATION                | COMMEN                  | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment.  18. LOADED IAW APPLICABL  19. LOAD RROFERLY SECURE  20. SEALS APPLIED TO CLOS   | INSPEC<br>mmercia<br>loaded<br>E SEGR<br>ED TO F   | CTION<br>of and<br>of equip<br>REGAT<br>REVE         | Government :                         | OMPA                    | nall be checked or<br>TIBILITY TABLE<br>ENT                     | All iten<br>all inco            | ms will<br>oming<br>FR | OR (         | IGIN<br>1)          | DESTIN    | IATION                | COMMEN                  | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment. 18. LOADED IAW APPLICABL 19. LOAD PROPERLY SECURE 20. SEALS APPLIED TO CLOS 21. PROPER PLACARDS APPL   | INSPEC<br>Inspection of the control of | CTION<br>al and<br>equip<br>REGAT<br>REVEI           | COVER<br>MENT ON/O<br>VIT MO<br>TARF | OMPA<br>OVEMI<br>PAULII | nall be checked or<br>ATIBILITY TABLE<br>ENT<br>N APPLIED ON OF | All item<br>all inco<br>OF 49 C | ms will<br>oming<br>FR | OR (         | IGIN<br>1)          | DESTIN    | IATION                | COMMEN                  | πs       |  |
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| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment.  18. LOADED IAW APPLICABL 19. LOAD PROPERLY SECURE 20. SEALS APPLIED TO CLOS 21. PROPER PLACARDS APPL 22. SHIPPING PARES/DD FOI 23. COPY OF DD FORM 626 F. | INSPEC<br>mmercia<br>loaded<br>E SEGR<br>D TO F<br>ED VEH<br>IED<br>RM 830<br>FOR DR   | CTION al and lequip REGAT REVEL HICLE;               | ON/O<br>TARF                         | OMPA<br>OVEMI<br>PAULII | nall be checked or<br>ATIBILITY TABLE<br>ENT<br>N APPLIED ON OF | All item<br>all inco<br>OF 49 C | ms will<br>oming<br>FR | OR (         | IGIN<br>1)          | DESTIN    | IATION                | COMMEN                  | πs       |  |
| SECTION III - POST LOADING This section applies to Con be checked prior to release of loaded equipment. 18. LOADED IAW APPLICABL 19. LOAD PROPERLY SECURE 20. SEALS APPLIED TO CLOS 21. PROPER PLACARDS APPL   | INSPEC<br>mmercia<br>loaded<br>E SEGR<br>D TO F<br>ED VEH<br>JED<br>RM 830<br>FOR DR   | CTION al and lequip REGAT REVEL HICLE;               | ON/O<br>TARF                         | OMPA<br>OVEMI<br>PAULII | nall be checked or<br>ATIBILITY TABLE<br>ENT<br>N APPLIED ON OF | All item all inco               | ms will<br>oming<br>FR | OR (         | IGIN<br>1)<br>UNSAT | DESTIN (: | IATION<br>2)<br>UNSAT | COMMEN                  | ITS .    |  |

### DD Form 836 Dangerous Goods

Shipping Paper/Declaration and Emergency
Response Information for Hazardous Materials
Transported by Government
Vehicles/Containers or Vessel

|              | CHIST                        | PING PAPER AND EMER   | OCENICY DECIDATE                 | E INCORE   | ATION FOR                  | UA785        | DOLLE MATE   | DIALE  |
|--------------|------------------------------|---|----------------------------------|------------|----------------------------|--------------|--|--|
|              | SHIP                         |   | INSPORTED BY GO                  |            |                            |              | DOUS MATE  | KIALS  |
|              |                              | THIS VEHICLE  | IS TRANSPORT                     | TING HA    | ZARDOUS                    | MATE         | RIALS  |  |
| 2a. LOC      | ATION A                      | ND DATE PREPARED  |                                  | b. DATE    | OF TRAVEL                  |              | c.<br>PAGE   | OF PAGES   |
|              |                              | D BY THE UNIT OR SHIPPER  | T.O. OFFICE.                     | 1          |                            |              |  |  |
| B. CARG      |                              | PROPER SHIPPI   | NG NAME                          | нс         | UN OR                      | PG           | NET TOTAL  | TOTAL AMMO   |
| NUMBER<br>a. | KIND<br>b.                   | (Include RQ, Technical Names<br>per §172.203 a:<br>c.   | , Additional Information         | d.         | ID NO.<br>e.               | f.           | QTY.<br>g.   | (NEW)  |
| TO:          |                              | IOTIFICATION. IN ALL CASI<br>DRESS AND TELEPHONE NO.  | ·                                |            |                            |              | <b>У NOTIFICATIO</b>   | N MUST BE GIVER                                      |
|              |                              |   |                                  |            |                            |              |  |  |
| FOR SAF      | E HAVEN                      | REFUGE, IMMEDIATELY CA  |                                  |            |                            |              |  |  |
|              |                              |   | RN/WESTERN UNITED<br>ERSEY ONLY: |            | -800-524-0:<br>-800-642-1: |              |  |  |
| DOE          | NON-EX<br>RIALS ON<br>TO CAL | NCY ASSISTANCE TELEPHO<br>PLOSIVE HAZARDOUS<br>LY: 1-800-851-8061<br>L FROM A SHIP:<br>3166 (COLLECT) | DOD H CARD CALL A MY OF RAT      | -0218/02   |                            | 202<br>DOD R | 1-800-424-<br>TO CALL FROM<br>2-267-2675 (<br>ADIOACTIVE M.<br>DLLECT: 309-7 | I A SHIP:<br>(COLLECT)<br>ATERIAL ONLY -<br>782-3510 |
| 4c. COF      | Y OF EMI                     | ERGENCY GUIDE NUMBER(S)   |                                  | . WAICH UP | ATTACHED.                  | ASI          | C FOR STAFF D  | UTT OFFICER  |
| 5. REMA      | irks                         |   |                                  |            |                            |              |  |  |

### EMERGENCY RESPONSE INFORMATION Guide Numbers 112 and 114 from the U.S. Department of Transportation North American Emergency Response Guide Book (RSPA P 5800.7) are reproduced hereon. These guides are applicable to Hazard Class 1 Materials (Explosives). Mark an X in the appropriate box: USE GUIDE 112 FOR EXPLOSIVES: USE GUIDE 114 FOR EXPLOSIVES (1.1), (1.2), (1.3), (1.5) or (1.6) Class A or B For all other hazardous materials or substances, annotate appropriate Emergency Response Guide Book Guide Number in the block below, and attach a copy of the guide number page or pages. GUIDE 112 **GUIDE 114** POTENTIAL HAZARDS FIRE OR EXPLOSION: POTENTIAL HAZARDS FIRE OR EXPLOSION: MAY EXPLODE AND THROW FRAGMENTS 1600 METERS MAY EXPLODE AND THROW FRAGMENTS 500 METERS (1/3 MILE) OR MORE IF FIRE REACHES CARGO. (1 MILE) OR MORE IF FIRE REACHES CARGO. **HEALTH HAZARDS: HEALTH HAZARDS:** Fire may produce irritating, corrosive and/or toxic gases. Fire may produce irritating, corrosive and/or toxic gases. PUBLIC SAFETY: CALL Energency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, CALL CHEMTREC AT 1-800-424-9300. PUBLIC SAFETY: CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer CALL CHEMTREC AT 1-800-424-9300. - Isolah spill or leak area immediately for at least 100 meters 330 eet in all directions. Move people out of line of sight of the land of the way from windows and stay upwind. Keep authorized personnel away and stay upwind. Vent la Slosed spaces before entering. solate spill or leak area immediately for at leas (1/3 mile) in all directions. Move people out of scene and away from windows. Keep unauthorized personnel away and stay up Ind. Ventilate closed spaces before entering. Wear positive pressure self-contained breathing apparatus (SCBA), and Structural firefighters' protective clothing will only provide PROTECTIVE CLOTHING: Wear positive pressure self-contained breathing apparatus imited protection. (SCBA), and Structural firefighters' protective clothing will only EVACUATION: provide limited protection. Consider initial evacuation for 250 meters (800 feet) in all directions - If rail car or trailer is involved in a fire, ISOLATE for 500 meters Consider initial evacuation for 800 meters (1/2 mile) in all directions. (1/3 mile) in all directions; also, initiate evacuation including emergency responders for 500 meters (1/3 mile) in all directions. If rail car or trailer is involved in a fire and heavily encased CARGO Fires DO NOT FIGHT FIRE WHEN IT REACHES CARGO! explosives such as bombs or artillery projectiles are suspected, ISOLATE for 1600 meters (1 mile) in all directions; also, initiate CARGO MAY EXPLODE! Stop all traffic and clear the area for at least 500 meters evacuation including emergency responders for 1600 meters (1/3 mile) in all directions and let burn. Do not move cargo or (1 mile) in all directions vehicle if cargo has been exposed to heat. When heavily encased explosives are not involved, evacuate the area for 800 meters (1/2 mile) in all directions. TIRE or VEHICLE Fires: Use plenty of water - FLOOD it! If water is not available, use CO2, dry chemical or dirt. If possible, and WITHOUT RISK, use EMERGENCY RESPONSE: unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area. CARGO Fires DO NOT FIGHT FIRE WHEN IT REACHES CARGO! Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready. SPILL OR LEAK: ELIMINATE all ignition sources (no smoking, flares, sparks or CARGO MAY EXPLODE! Stop all traffic and clear the area for at least 1600 meters. (1 mile) in all directions and let burn. Do not move cargo or vehicle if cargo has been exposed to heat. flames in immediate area). TIRE or VEHICLE Fires: - Use plenty of water - FLOOD it! If water is not available, use All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. CO2, dry chemical or dirt. If possible, and WITHOUT RISK, use DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS unmanned hose holders or monitor nozzles from maximum (330 feet) OF FLECTRIC DETONATORS DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER distance to prevent fire from spreading to cargo area. Pay special attention to tire fires as re-ignition may occur. SUPERVISION OF A SPECIALIST. Stand by with extinguisher ready. SPILL OR LEAK Move victim to fresh air. Call emergency medical care. ELIMINATE all ignition sources (no smoking, flares, sparks or Apply artificial respiration if victim is not breathing. - Administer oxygen if breathing is difficult. flames in immediate area). - All equipment used when handling the product must be grounded. Remove and isolate contaminated clothing and shoes. - In case of contact with substance, immediately flush skin or eyes Do not touch or walk through spilled material. - DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 METERS with running water for at least 20 minutes. (330 feet) OF ELECTRIC DETONATORS Ensure that medical personnel are aware of the material(s) - DO NOT CLEAN UP OR DISPOSE OF, EXCEPT UNDER involved, and take precautions to protect themselves. SUPPLEMENTAL INFORMATION SUPERVISION OF A SPECIALIST.



### CONUS HWY OPERATIONS



### **FORSCOM Form 285-R: Vehicle Load**

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|              | TOTALS +                              |           |           |                |      |          |
| NUMBERS OF D | DFORM 1750 (PACKING LIST) THIS LOAD = |           |           |                |      |          |

REMARKS (List of BBPCT materials needed this load, to induce weight)

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# DA Form 5748-R Shipment Unit Packing List and Load

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To St. Fil. (1) environmental habitation

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TRANSPORTATION CORPS



### LOGISTICS REQUIREMENTS

- Command Responsibility
- All logistical requirements should be arranged prior to convoy movement (see Convoy Commander's Checklist at pp.C-17/19), and could include:
  - Maintenance
  - Billeting
  - Escorts
  - Medical



### CONUS HWY OPERATIONS



### **COMMUNICATIONS**

- Radio principal means (consider placement, distance, orders)
- Visual Communication: Hand and arm signals, flags, headlights, message boards
- Audio Signals: Horns, whistles, loudspeakers Ref: FM 4-01.011, p.C-9/10



### SAFETY

- Safety concerns:
  - Drivers and leaders obey signals and orders
  - Proper safety awareness and enforcement
  - Vehicles maintain pace
  - Proper interval maintained (' rule')





### SAFETY (CONT)



- Headlights of all vehicles on low beam at all times (including when halted on road shoulders)
- When halted on road shoulders, vehicles equipped with emergency flasher systems must also have these lights operating
- When moving at night or during periods of reduced visibility, lead, trail, and oversize/overweight

Ref: FM 4-01.011, pethit3es will operate hazard lights



### SAFETY (CONT)



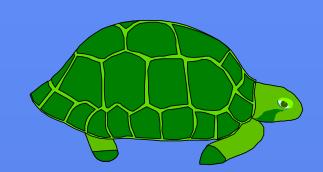
Each vehicle must have:

- A fire extinguisher suitable for a petroleum fire
- A first aid kit
- A set of tire chains (when snow or ice conditions may be encountered)
- A highway warning kit



**CONVOY CONTROL MEASURES** 

**SPEED** 





Convoy Speed: eg 45 mptatchup Speed: eg 50 mp

### **SPACING**



Vehicle interval: eg 100 yards

Time gap between march elements: eg 10 min









### **CONVOY FORMATIONS**

### **Close Column**

- Vehicle intervals: 25 50 meters
- Speed: < 25mph
- Greatest degree of control
- Used in limited visibility,

### Open Column

- Vehicle intervals: 100 meters +
- Speed: > 25mph
- Preferred formation
- Used on well marked open





Infiltration: No defined structure, variable intervals and speed. Not normally used except as last resort in extremely congested areas or when the mission dictates FM 4-01.011, p.

# CONVOY ROUTE PLANNING





- Not limited to the Company A 155 ANCE
- Type of reconnaissance dependent on time and resources available
- Three types:
  - Map reconnaissance
  - Ground reconnaissance
  - Air reconnaissance
  - Permanent Reconnaissance Record (conducted by qualified personnel) may be available from the ITO for commonly traveled





### MAP RECONNAISSANCE

 Should always be conducted prior to a highway movement

Much information can be obtained

from maps including:

Road surface

-type of terrain - Obstacles

- Critical points
- Distances





### GROUND

• Should RECOMMAGSSANGE map reconnaissance is complete

- Most effective type of reconnaissance
- Provides 'real' information



# CONUS HWY OPERATIONS

### AERIAL RECONNAISSANCE

 Utilized when ground reconnaissance is not possible or for a last minute look at the route

Provides excellent overview of surface route

Limited route data



### START POINT

- Convoy commants active control of march column at the start point (SP)
- Convoy passes start point at established rate of march and vehicle interval.
- Start point should be a point on the route that is easily recognizable on both a map and the ground

Ref: FM 4-01.011, p.C-5



### RELEASE POINT

- Released from a the control of convoy commander (set rate of march and vehicle interval) after passing through the RP
- A common point from which the vehicles in a march column with different destinations can be released to continue their
- bissitggundentsmeet their units at the RP & lead them to their designated area
- The RP should be easily recognizable on both a map and the ground

Ref: FM 4-01.011, p.C-5

# CONUS HWY OPERATIONS

### **CHECKPOINTS**

- Designated cleroints (CP) along the route are an effective method of
- Checkpointsrshould be easily recognizable features and are
- Checkpoints on strip map given to each
- driverpoints are used to report the convoy location to command & control



### **CRITICAL POINTS**

- Critical points that may slow convoy progress should be considered by the convoy commander. They include:
  - Toll
  - \_roads
  - Bridge asses / Underpass
  - Sanstrictions Ref: **\$**M 4-01.011, p.C-5





### **HALTS**

- Halt locations should be selected in
- **Maga**rfor rest, refueling, mess and maintenance
- Rest halts scheduled for 15 minutes end of the first hour & 10 minutes every two hours thereafter
- Key points for rest hadback on loads during rest halts
  - Refuel at meal halts if necessary

Ref: FM 4-01.011, pp.C-14/15



### ROUTE CONSIDERATIONS

- An alternate route should be
- identified Location of medical facilities & telephones should be noted

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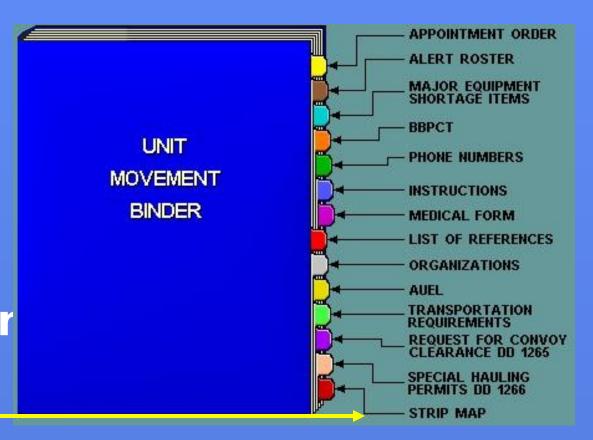


### CONUS HWY OPERATIONS



Strip maps are STRIP MAPS issued to each driver & other key personnel involved with

the convoy Strip maps can be included as ar appendix to the unit movement





### STRIP MAP

- A strip map **F PARIATE PARIATE** ntation of the route the convoy will travel
- The strip map need not be drawn to scale, but must include the following elements:

**Start point** Major cities & towns

Release point Critical points & check

Rest/halt areas Distance between

Routes Roekpoints

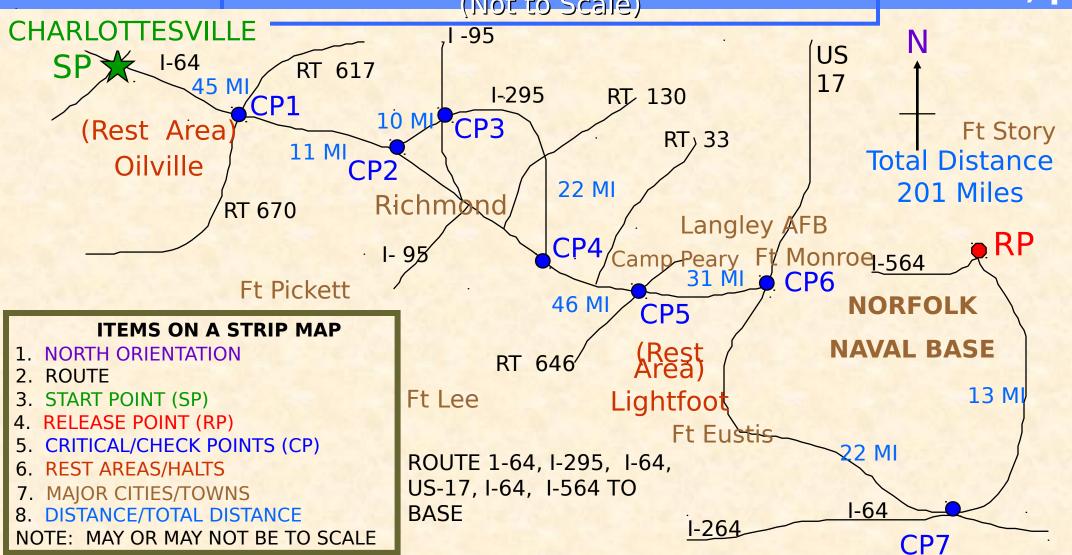
Ref: FM 4-01.011, p.C-6 orientation

### **GRAPHIC STRIP**

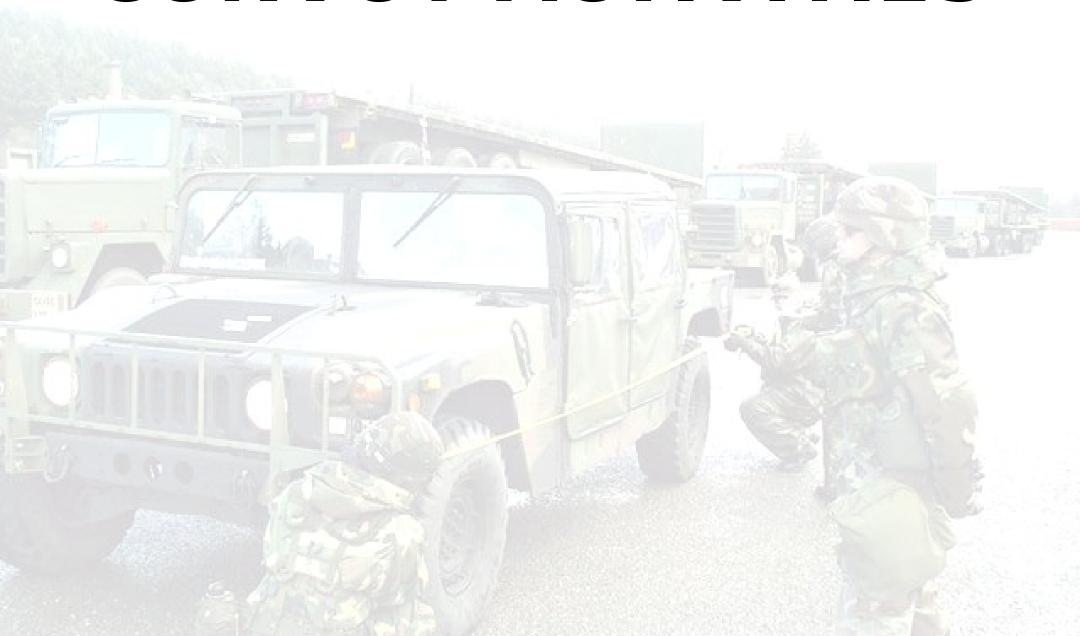


(Not to Scale)

Ref: FM 4-01.011, p.



# **CONVOY ACTIVITIES**





### UNIT MOTOR

- Unit should complete as many preparations as possible at motor pool area

  - Check convoy documentation

  - Check radios and frequence
  - Check vehicle maintenance

  - Check secondary loadsCheck protective covers & lashing



### **INSTALLATION STAGING AREA**

- Many installation Sphovide a large area for convoy staging
- Where the deploying unit's equipment is inspected after it has departed their unit's motor pool
- Vehicles staged in convoy order
- Where final preparation and external checks are conducted

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### **ISA PRE-MOVEMENT**

- UMC or Decloyoppin phytylickigade personnel inspect following:

   Secondary loads for stowage, bracing,
  - Secondary loads for stowage, bracing, covers & lashing
  - Safety equipment and Basic Issue Items present
  - Weeldeveleight
  - Maintenance, tires, fluids & leaks
  - HAZMAT stowage & documentation
  - Documentation & vehicle marking

Ref: FM 4-01.011, p.C-13



### **DRIVER PREPARATION**

### **Checked for:**

- Driver and assistant driver have a valid operators license and required endorsement if carrying HAZMAT
- Have enough experience to operate vehicle safely on public highways
- Aware of route and convoy speed/spacing
- 8 hours of rest within 12 hours before the convoy departs Ref: FM 4-01.011, p.C-13



# ONUS HWY OPERATIONS SPEARHEAD OF LOGISTICS

### **CONVOY COMMANDER'S BRIEFING**

- Convoy organization and vehicle assignments
- Control measures (timings/speeds/spacing etc) and actions on (breakdown, separated from convoy etc)
- Distribute strip map
- See check list on page C-13/14 and sample ዜብ፣eFMd-8ት የህብቂያ ይ-ይ-ታሪንታ 1<sup>20/21</sup>



### **ACCIDENTS!**



Ref: FM 4-01.011, p.C-15

- Minimize effects and keep convoy moving
- Only vehicle immediately behind should stop and render assistance
- First aid
- Report accident to civilian police do not move damaged vehicle until civil police investigation completed
- Recover vehicle if required
- Complete accident report



### **ENROUTE REPORTING**

- During peacetime, convoys will not normally be required to report movement progress
- During mobilization and for selected exercises, special instructions incorporated into the CMO will direct the convoy commander to report to the appropriate SMCC upon departure, at selected locations enroute, and upon arrival





## **SUMMARY**



# LET'S REVIEW

